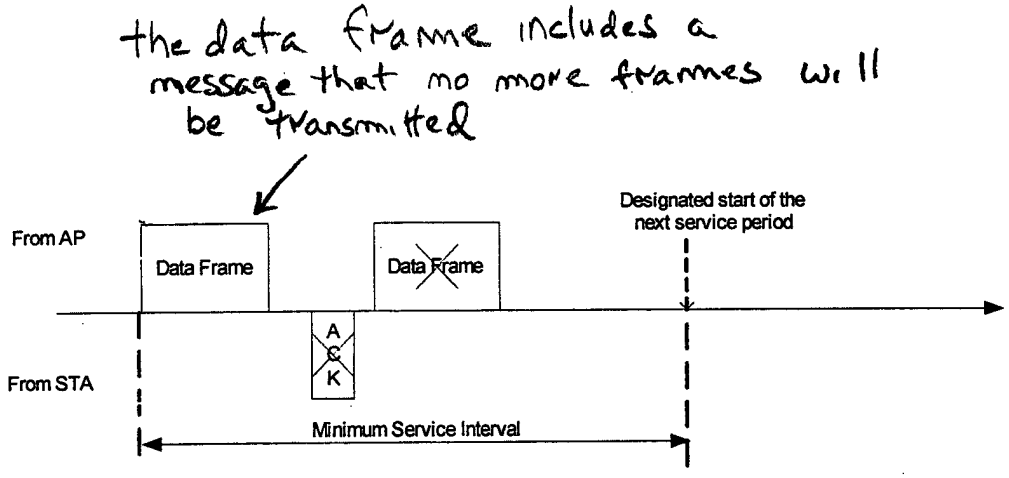
the data frame includes a message that no more frames will be transmitted
From AP
Data Frame
Data Frame
Designated start of the next service period
From STA
ACK
Minimum Service Interval

Fig. 1

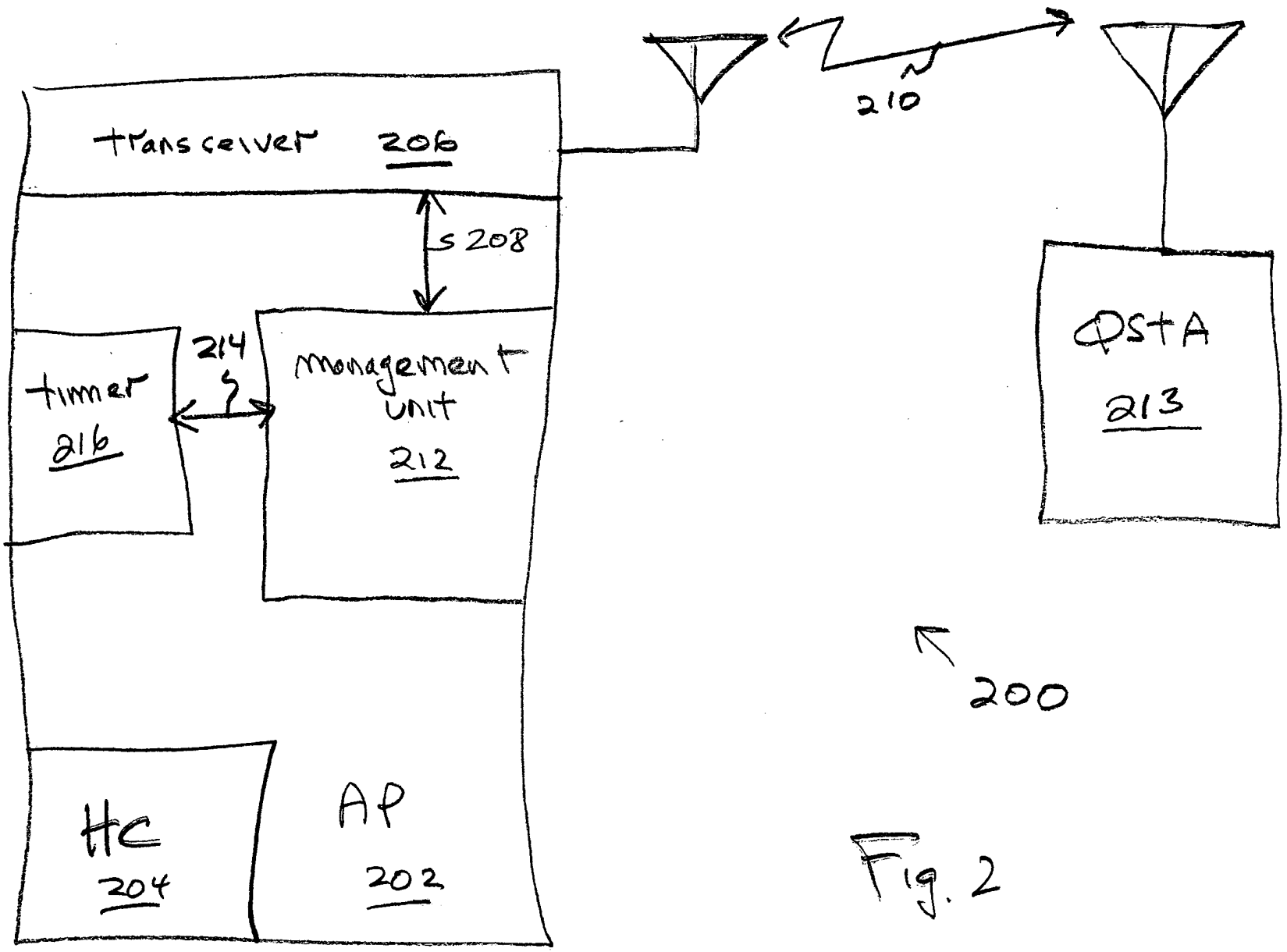
transceiver 206
S 208
timer 216
214
management unit 212
HC 204
AP 202
210
QSTA 213
200

Fig. 2

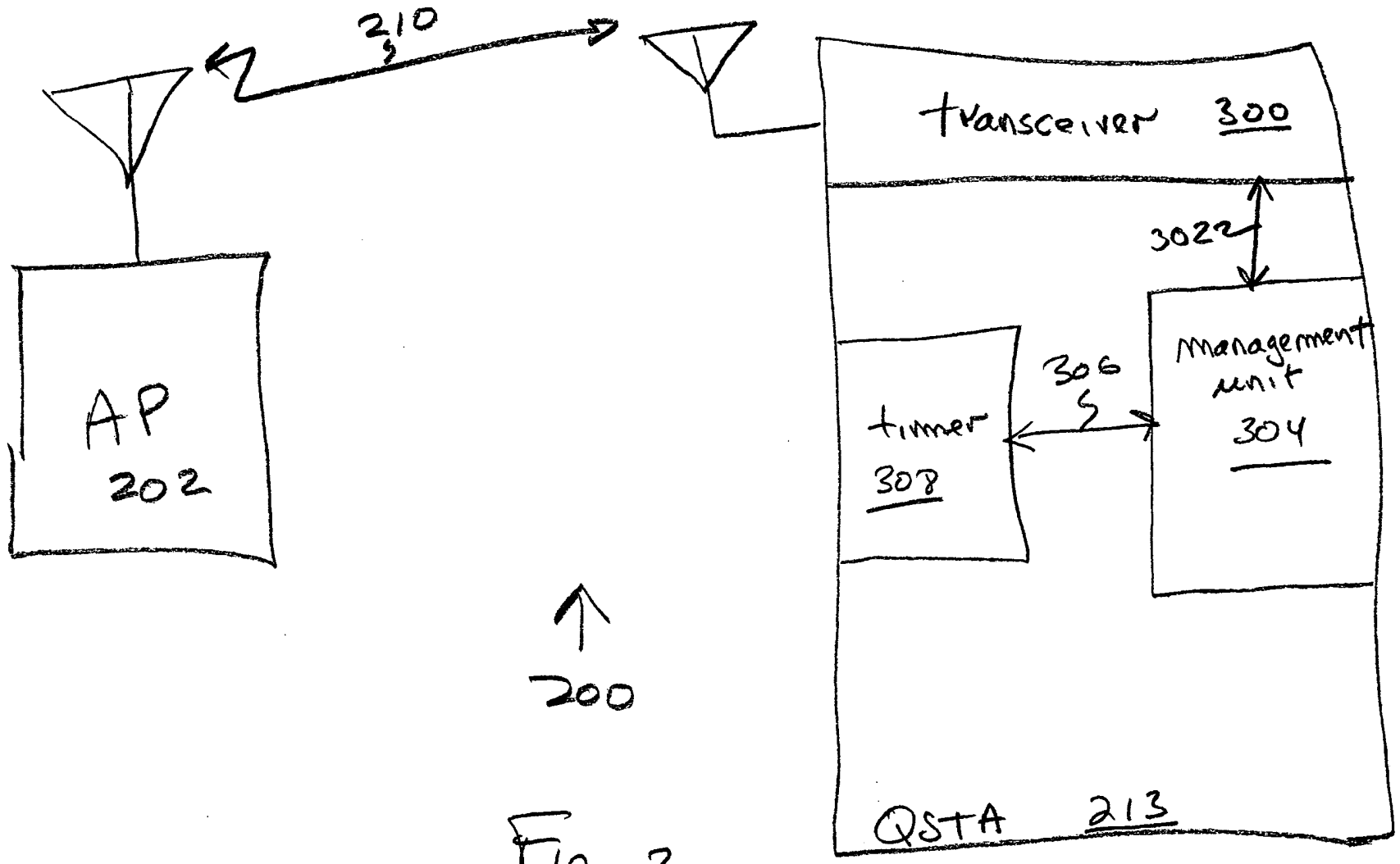
210
AP
202
transceiver 300
3022
management unit
304
306
timer
308
QSTA 213
200

Fig. 3

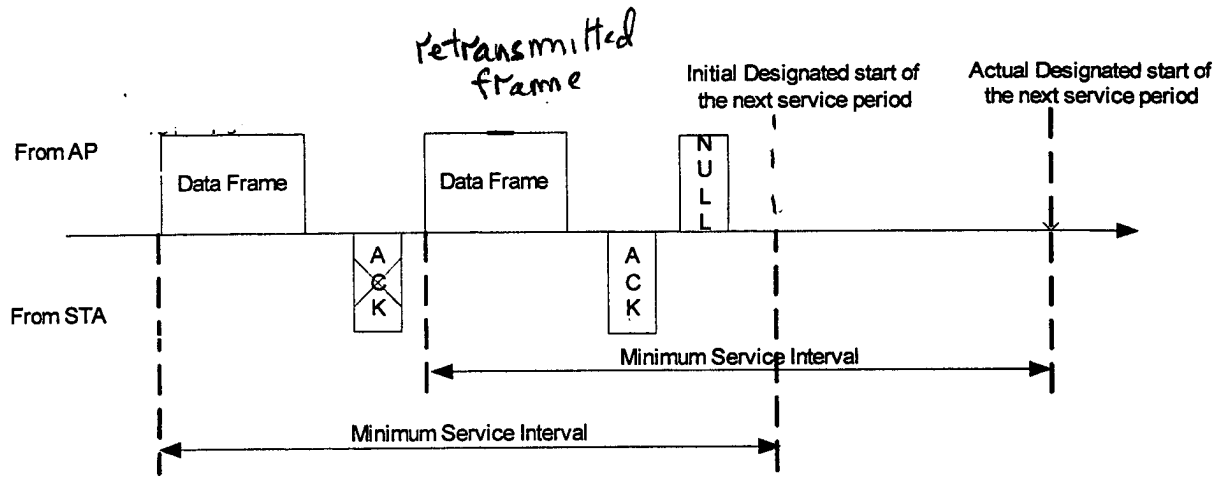
retransmitted frame
Initial Designated start of the next service period
Actual Designated start of the next service period
From AP
Data Frame
Data Frame
NULL
From STA
ACK
ACK
Minimum Service Interval
Minimum Service Interval

Fig. 4

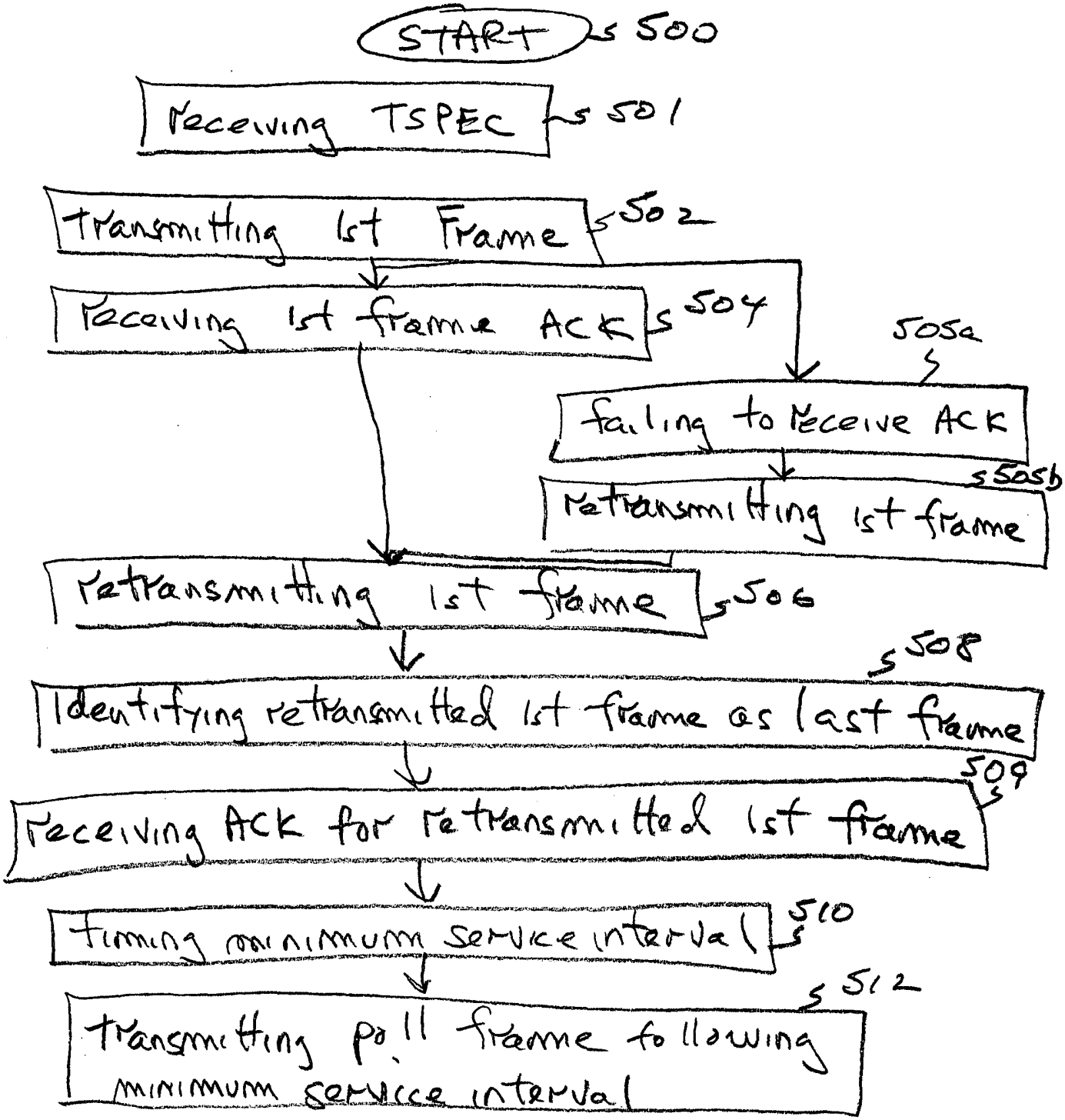
START
500
Receiving TSPEC
501
Transmitting 1st Frame
502
Receiving 1st frame ACK
504
505a
failing to receive ACK
505b
Retransmitting 1st frame
Retransmitting 1st frame
506
508
Identifying retransmitted 1st frame as last frame
509
Receiving ACK for retransmitted 1st frame
Firming minimum service interval
510
512
Transmitting poll frame following minimum service interval

Fig. 5

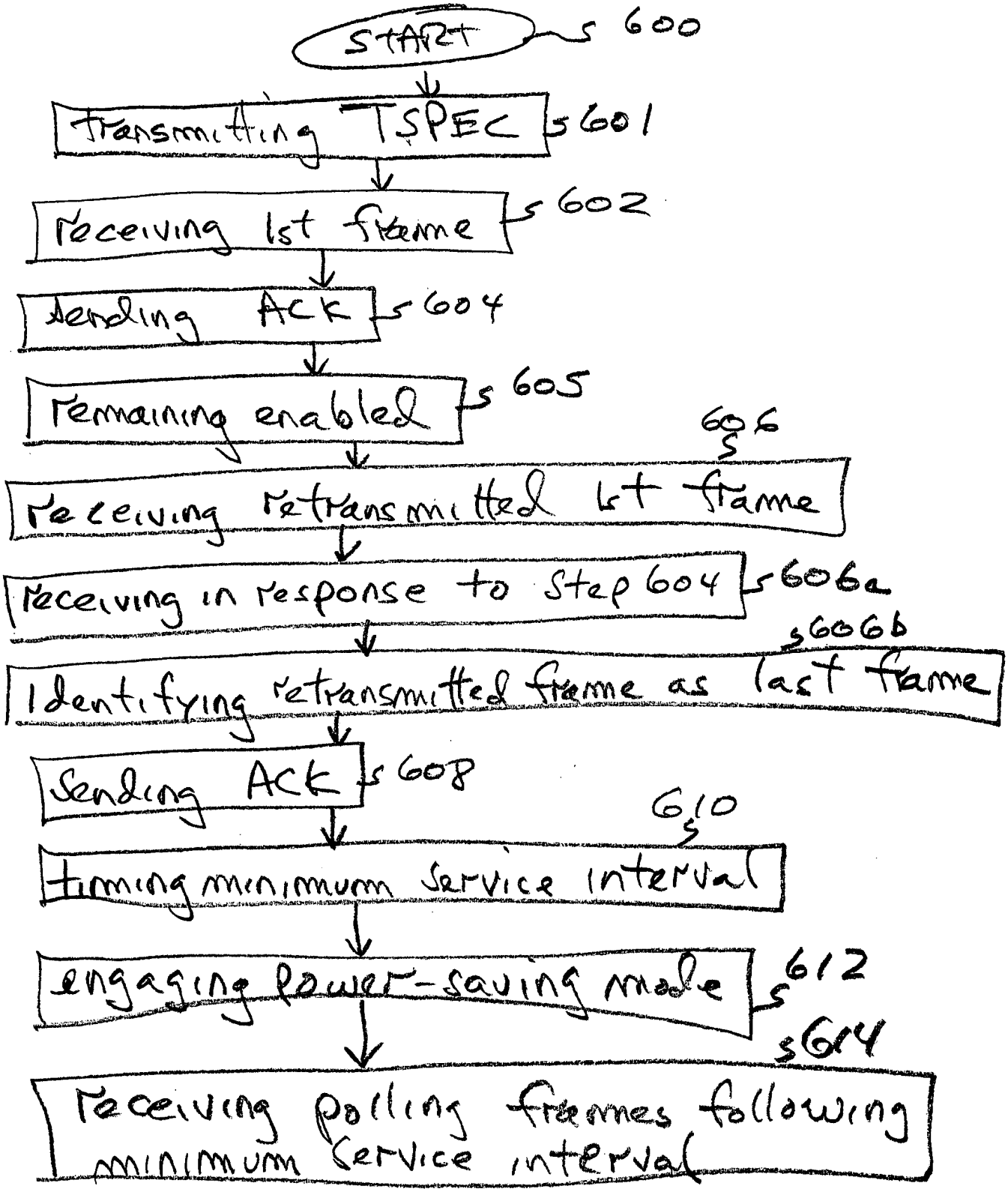
START
600
Transmitting TSPEC
601
Receiving 1st frame
602
Sending ACK
604
Remaining enabled
605
606
Receiving retransmitted 1st frame
Receiving in response to Step 604
606a
606b
Identifying retransmitted frame as last frame
Sending ACK
608
610
Timing minimum service interval
engaging power-saving mode
612
614
Receiving polling frames following minimum service interval

Fig. 6